

Docket No.: 4468-008B**Application No.: 10/760,425****IN THE CLAIMS****1-9 (Cancelled).**

10. (Previously Presented) A correlation system including a frequency adding means having a predetermined plurality n of multiplying means (EXOR), an adder, a spreader, and a correlator, wherein

the predetermined plurality n of multiplying means (EXOR) each receiving a corresponding frequency component ($F1 - Fn$) and a symbol data $DO(t)$ as a base and multiplying both of the corresponding frequency component ($F1-Fn$) and said symbol data $DO(t)$ to output a multiplied symbol data $D1(t) - Dn(t)$, wherein n and t are integers,

the adder receives said multiplied symbol data $D1(t) - Dn(t)$ from a respective multiplying means (EXOR) and said symbol data $DO(t)$ as the base and performs an adding process for said multiplied symbol data and said symbol data $DO(t)$ to output a resultant additional symbol data $D(t)$,

the spreader receives a spread signal of said additional symbol data $D(t)$ and superposes thereon a spread code $L(t)$ to output a corrected reference signal $R(t)$, and

the correlator receives said corrected reference signal $R(t)$ and a measurement signal $S(t)$ and takes a correlation between said corrected reference signal $R(t)$ and said measurement signal $S(t)$ to output a correlation output signal.

11. (canceled)

12. (original) A correlation system according to claim 10, wherein the measurement signal $S(t)$ is a reception signal of a spread signal spectrum spread.

13. (canceled).

14. (original) A correlation system according to claim 10, wherein the measurement

Docket No.: 4468-008B**Application No.: 10/760,425**

signal $S(t)$ is a spectrum spread signal of a W-CDMA system.

15. (canceled).

16. (Previously Presented) A correlation method, comprising:

receiving a corresponding frequency component ($F1 - Fn$) and a symbol data $DO(t)$ as a base and multiplying both of the corresponding frequency component ($F1-Fn$) and said symbol data ($DO(t)$) to output a multiplied symbol data $D1(t) - Dn(t)$, at each of a predetermined plurality n of multiplying devices (EXOR), wherein n and t are integers,

receiving said multiplied symbol data $D1(t) - Dn(t)$ from a respective multiplying device (EXOR) and said multiplied symbol data $DO(t)$ as the base and adding said multiplied symbol data and said symbol data $DO(t)$ to output a resultant additional symbol data $D(t)$,

receiving a spread signal of said additional symbol data $D(t)$ and superposing thereon a spread code $L(t)$ to output a corrected reference signal $R(t)$, and

receiving said corrected reference signal $R(t)$ and a measurement signal $S(t)$ and taking a correlation between said corrected reference signal $R(t)$ and said measurement signal $S(t)$ to output a correlation output signal.

17. (canceled)

18. (Currently Amended) A computer-readable medium embodying a program of instructions for execution by a computer to perform a correlation method, comprising:

receiving a corresponding frequency component ($F1 - Fn$) and a symbol data $DO(t)$ as a base and multiplying both of the corresponding frequency component ($F1-Fn$) and said symbol data ($DO(t)$) to output a multiplied symbol data $D1(t) - Dn(t)$, at each of a predetermined plurality n of multiplying devices (EXOR), wherein n and t are integers,

receiving said multiplied symbol data $D1(t) - Dn(t)$ from a respective multiplying device (EXOR) and said multiplied symbol data $DO(t)$ as the base and adding said multiplied symbol

Docket No.: 4468-008B

Application No.: 10/760,425

data and said symbol data $DO(t)$ to output a resultant additional symbol data $D(t)$,

receiving a spread signal of said additional symbol data $D(t)$ and superposing thereon a spread code $L(t)$ to output a corrected reference signal $R(t)$, and

correlating said corrected reference signal $R(t)$ and a measurement signal $S(t)$ and taking a correlation between said ~~corrected reference~~ corrected reference signal $R(t)$ and said measurement signal $S(t)$ to output a correlation output signal.

19-20. (canceled)

21. (Previously Presented) A correlation system including a frequency adding device having a predetermined plurality n of multiplying device (EXOR), an adder, a spreader, and a correlator, wherein

the predetermined plurality n of multiplying device (EXOR) each receiving a corresponding frequency component ($F1 - Fn$) and a symbol data $DO(t)$ as a base and multiplying both of the corresponding frequency component ($F1-Fn$) and said symbol data $DO(t)$ to output a multiplied symbol data $D1(t) - Dn(t)$, wherein n and t are integers,

the adder receives said multiplied symbol data $D1(t) - Dn(t)$ from a respective multiplying device (EXOR) and said symbol data $DO(t)$ as the base and performs an adding process for said multiplied symbol data and said symbol data $DO(t)$ to output a resultant additional symbol data $D(t)$,

the spreader receives a spread signal of said additional symbol data $D(t)$ and superposes thereon a spread code $L(t)$ to output a corrected reference signal $R(t)$, and

Docket No.: 4468-008B

Application No.: 10/760,425

the correlator receives said corrected reference signal $R(t)$ and a measurement signal $S(t)$ and takes a correlation between said corrected reference signal $R(t)$ and said measurement signal $S(t)$ to output a correlation output signal.